NIHAD GHASAN ISSA ALSMAIRAT

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PUBLICATION		
Mar 2019 — Present	Professor/ Department of Horticulture and Crop Science / School of Agriculture, The University of Jordan	Amman
2022 — 2024	Vice Dean/ School of Agriculture , The University of Jordan	Amman
2021 — 2022	Head of Horticulture and Crop Science/ School of Agriculture, The University of Jordan	Amman
2014 — 2019	Associate prof. / Department of Horticulture and Crop Science / School of Agriculture, The University of Jordan	Amman
2013 — 2018	Assistant Dean for Quality and Development Affairs/ School of Agriculture, The University of Jordan	Amman
2011 — 2014	Assistant professor / Department of Horticulture and Crop Science / School of Agriculture	Amman
2010 — 2011	Lecturer / Department of Horticulture and Crop Science / School of Agriculture , University of Jordan	Amman
2009 — 2010	Post doctorate – Postharvest lab / College of Plant and Soil Science / Horticultural Department, Michigan State University	Michigan
2008 — 2009	Manager Agricultural Research Stations, The University of Jordan	Jordan Valley
2004 — 2007	Team leader for Technology Transfer Specialist. Horticultural Export Promotion and Technology Transfer project "HEPTTP' hosted by NCAR., World Bank	Amman
2003 — 2004	Manager of Agricultural Integrated Input Management Project in the Jordan valley hosted by Strategic Studying Center, The University of Jordan	Jordan Valley
1998 — 2002	Educational Leave: PhD Studies , The University of Jordan	Amman
1996 — 1998	Fruit Trees Researcher, National Center for Agricultural Research and Technology Transfer (NCARTT), Almshagar Centre	Amman
1988 — 1990	Agriculture Engineer at the Martyr Memorial, Force Army	Amman

EDUCATION		
1998 — 2002	Doctor of Philosophy in Horticulture and Crop Science, School of Agriculture/ The University of Jordan	Amman
	Thesis Title: Comparative Study on Rooting of Two Apple Rootstocks by Stem Cuttings	
1985 — 1988	Masters of Science in Horticulture and Crop Science, School of Agriculture/ The University of Jordan Thesis Title: Effect of Paclobutrazol on Vegetative and Reproductive Growth of Citrus Limon L.cv. I	Amman Lisbon
1981 — 1985	Bachelors of Science in Plant Production and Protection , School of Agriculture/ The University of Jordan	Amman
RESEARCH PROGRAM	My research program focuses on studying and assessing the factors affecting fruit quality in agricultural commodities. It explores the implementation and development of technological advancements and agricultural treatments aimed at enhancing the storage life of these commodities. Additionally, the research emphasizes ensuring quality assurance standards that align with the specific requirements of the target market	
PUBLICATIONS		
2023	Nihad Alsmairat, Othman, Y., Ayad, J., Al-Ajlouni, M., Sawwan, J. and Najib El-Assi (2022). Anatomical Assessment of Skin Separation in Date Palm (Phoenix dactylifera L. var. Mejhoul) Fruit during Maturation and Ripening Stages. Agriculture, 13(1), pp.38–38. doi:https://doi.org/10.3390/agriculture13010038.	
2022	Tahat, M.M., Aldakil, H., Alananbeh, K., Othman, Y. and Alsmairat, N. (2022). First Report of Strawberry Wilt Caused by Fusarium oxysporum Schltdl. in Jordan. <i>Plant Disease</i> , 107(3). doi:https://doi.org/10.1094/pdis-10-21-2339-pdn.	
2022	Khasawneh, A.ER., Alsmairat, N ., Othman, Y.A., Ayad, J.Y., Al-Hajaj, H. and Qrunfleh, I.M. (2022). Controlled-release nitrogen fertilizers for improving yield and fruit quality of young apricot trees. <i>Scientia Horticulturae</i> , 303(20), p.111233. doi:https://doi.org/10.1016/j.scienta.2022.111233.	
2021	Abd El-Rahman Khasawneh, Nihad Alsmairat , Othman, Y.A., Ayad, J.Y., Al-Qudah, T. and Leskovar, D.I. (2021). Influence of nitrogen source on physiology, yield and fruit quality of young apricot trees. <i>Journal of Plant Nutrition</i> , 44(17), pp.2597–2608. doi:https://doi.org/10.1080/01904167.2021.1918718.	
2019	Othman, Y., K. Bataineh, M. Al-Ajlouni, N. Alsmairat , Ayad, J., S. Shiyab, B. Qarallah and Hilaire, R.S. (2019). Soilless culture: managements of growing substrate, water, nutrient, salinity, microorganism and product quality. <i>Fresenius environmental bulletin</i> , 28(4), pp.3249–3260.	
2019	Alsmairat, N. , Al-Qudah, T., El-Assi, N., Mehyar, G., Gammoh, I., Othman, Y.A., Araj, S.E., & Al-Antary, T.M., 2020. Effect of drying process on physical and chemical properties of 'Medjool' date palm fruits. 28(2)	
2018	Alsmairat, N. , Engelgau, P. and Beaudry, R. (2018). Changes in Free Amino Acid Content in the Flesh and Peel of 'Cavendish' Banana Fruit as Related to Branched-chain Ester Production, Ripening, and Senescence. <i>Journal of the American Society for Horticultural Science</i> , 143(5), pp.370–380. doi:https://doi.org/10.21273/jashs04476-18.	

2018	Alsmairat, N.G. , Al-Ajlouni, M.G., Ayad, J.Y., Othman, Y.A. and Rolston St. Hilaire (2018). Composition of soilless substrates affect the physiology and fruit quality of two strawberry (<i>Fragaria</i> × <i>ananassa</i> Duch.) cultivars. <i>Journal of Plant Nutrition</i> , 41(18), pp.2356–2364. doi:https://doi.org/10.1080/01904167.2018.1510508.	
2014	Mansour, A., Al-Banna, L., Salem, N. and Alsmairat, N. (2014). Disease management of organic tomato under greenhouse conditions in the Jordan Valley. <i>Crop Protection</i> , 60, pp.48–55. doi:https://doi.org/10.1016/j.cropro.2014.03.001.	
2014	Mehyar, G.F., El Assi, N.M., Alsmairat, N.G. and Holley, R.A. (2014). Effect of Edible Coatings on Fruit Maturity and Fungal Growth on Berhi Dates. <i>International Journal of Food Science & Technology</i> , 49(11), pp.2409–2417. doi:https://doi.org/10.1111/ijfs.12562.	
2014	Contreras, C., Nihad Alsmairat and Beaudry, R.M. (2014). Prestorage Conditioning and Diphenylamine Improve Resistance to Controlled-atmosphere-related Injury in 'Honeycrisp' Apples. <i>Hortscience</i> , 49(1), pp.76–81. doi:https://doi.org/10.21273/hortsci.49.1.76.	
2013	Alsmairat, N.G. , El Assi, N.M., Al Abdalla, A.M. and Mehyar, G.F. (2013). Enhancement of Edibility of 'Barhi' and 'Medjool' Date Palm Cultivars at Khalal Mature Stage. <i>International Journal of Botany</i> , 9(3), pp.123–132. doi:https://doi.org/10.3923/ijb.2013.123.132.	
2013	Shiyab, S.M., Shatnawi, M.A., Shibli, R.A., Al Smeirat, N.G. , Ayad, J. and Akash, M.W. (2013). GROWTH, NUTRIENT ACQUISITION, AND PHYSIOLOGICAL RESPONSES OF HYDROPONIC GROWN TOMATO TO SODIUM CHLORIDE SALT INDUCED STRESS. <i>Journal of Plant Nutrition</i> , 36(4), pp.665–676. doi:https://doi.org/10.1080/01904167.2012.754037.	
2011	Nihad Alsmairat, Contreras, C., Hancock, J., Callow, P. and Beaudry, R. (2011). Use of Combinations of Commercially Relevant O2 and CO2 Partial Pressures to Evaluate the Sensitivity of Nine Highbush Blueberry Fruit Cultivars to Controlled Atmospheres. <i>HortScience</i> , 46(1), pp.74–79. doi:https://doi.org/10.21273/hortsci.46.1.74.	
2011	van Nocker, S., Berry, G., Najdowski, J., Michelutti, R., Luffman, M., Forsline, P., Alsmairat, N ., Beaudry, R., Nair, M.G. and Ordidge, M. (2011). Genetic diversity of red-fleshed apples (Malus). <i>Euphytica</i> , 185(2), pp.281–293. doi:https://doi.org/10.1007/s10681-011-0579-7.	
SCIENTIFIC CONFEREN	ICES	
2023	Attendance, American Society for Horticulture Science (ASHS) Annual Conference - Orlando Florida in 2023	
2021	Attendance, The Seventh International Conference on Date Palm, Abu Dhabi-UAE, 2022	
2018	Sugimoto, N., Daniel Jones, A., Beaudry, R. and Alsmairat, N. (2011). Changes in Free Amino Acid Content in 'Jonagold' Apple Fruit as Related to Branched-chain Ester Production, Ripening, and Senescence. <i>Journal of the American Society for Horticultural Science</i> , 136(6), pp.429–440. doi:https://doi.org/10.21273/jashs.136.6.429. <i>Speaker</i> , ASHS 2018 Annual Conference - Washington, DC in 2018	
2017	Attendance, International Controlled and Modified Atmosphere Research Conference (CAMA), Warsaw - Poland in 2017	
2014	Use of Modified Atmosphere Packaging to Measure and Model Respiration and Ethylene Production at Super-atmospheric O2 Concentrations. <i>Speaker</i> , International Controlled & Modified Atmosphere Research Conference- Italy in 2014	

2012	Beaudry, R., Contreras, C., Smairat, N. (2010). The Bounty of the Bite: Kinetics of Volatile Synthesis Following Cellular Disruption of Apple Fruit Tissue. <i>Speaker</i> , 28th International Horticultural Congress-Lisborin 2012	
2011	Nihad Alsmairat, Contreras, C., Hancock, J., Callow, P. and Beaudry, R. (2011). Use of Combinations of Commercially Relevant O2 and CO2 Partial Pressures to Evaluate the Sensitivity of Nine Highbush Blueberry Fruit Cultivars to Controlled Atmospheres. <i>HortScience</i> , 46(1), pp.74–79. doi:https://doi.org/10.21273/hortsci.46.1.74. <i>Speaker</i> , American Society for Horticultural Science (ASHS), Waikoloa, Hawaii in 2011	
TRAINING CO	URSES	
2017	Evaluation of Students' learning without tests/ Accreditation and Quality Assurance Center	
2016	Quality Assurance Procedures and Models/ Accreditations and Quality Assurance Centre	
2016	Advanced Targeted Learning Outcomes/Accreditation and Quality Assurance Center	
2016	Excerption detection/ Accreditation and Quality Assurance Centre	
2016	Designing National Qualifications framework /Accreditation and Quality Assurance Centre	
MEMBERSHIP IN SO	CIENTIFIC AND PROFESSIONAL BODIES AND SOCIETIES	
2017 — Present	American Society for Horticultural Science (ASHS)	
2012 — Present	International Society for Horticulture Science (ISHS)	
2006 — Present	Jordan Society for Scientific Research (JSSR)	
2005	Jordan Exporters and Producers Association for Fruits and Vegetables (JEPA)	
AWARDS		
2022	Best Applied Scientific Research on Date Palm- Date Palm Festival in Amman. Research Title: Effect OF DRYING PROCESS ON PHYSICAL AND CHEMICAL PROPERTIES OF 'MEDJOOL' DATE PALM FRUITS	
	Researchers: Nihad Alsmairat , Tamara Al-Qudah, Najib El-Assi, Ghadeer Mehyar, Issa Gammoh, Yahia Othman, Salah-Eddin Araj, Tawifiq Al-Antar. Khalifa International Award for Date Palm and Agricultural Innovation- Jordan. in November 2022	
2012	Gold Prize "Kinetics of Portugal Volatile Synthesis Following Cellular Disruption Associated with Masticated and Freshly Cut Apple Fruits." At The 28th International Congress in Lisbon . in 2012	
2012	Distinguished Research Prize. Presidency of The University of Jordan. in 2012	
LANGUAGES	Arabic Native speaker English Highly proficient	